

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

KLABUNDE, KENNETH et al.

Serial No.:

Filed:

POROUS PELLET ADSORBENTS
FABRICATED FROM NANOCRYSTALS

Docket No. RE26499A

Group Art Unit No. 1752

Examiner:

1754 2/4 (K)
D. G.
1-29-02

Assistant Commissioner of Patents
Washington, D.C. 20231

REISSUE AMENDMENT

Entrance of the following amendment prior to examination of the merits is respectfully
requested.

CLAIMS

Add claims 14-19 as follows:

14. A method of removing an acid from a gas stream comprising the steps of:
providing a quantity of self-sustaining bodies formed of agglomerated, nanocrystalline metal
oxide particles selected from the group consisting of CaO and Ca(OH)₂ and admixtures
thereof, the starting particles having an average crystallite size of up to about 20 nm;
and
passing a stream of acid-bearing gas into contact with said self-sustaining bodies under
conditions for removing at least a portion of said acid from the gas stream.